

DETAILED ACTION

Response to Amendment

1. Amendment filed on 05/20/2009 has been entered.

In response to the Office Action dated 02/20/2009, Applicants have amended claims 1 and 5. Claim 6 has been cancelled.

Claims 1 - 5 are now pending in the application.

Drawings

2. The Drawings amendments, filed on 05/20/2009 are considered and acknowledged. The Drawings amendments are approved.

Response to Arguments

3. Applicant's arguments are considered but are moot in view of allowance.

Examiner's Amendment

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with A.J. Canale (Reg. No. 51526) on July 27, 2009.

At claim 1 lines 14 - 15, replace "the surface of said land conducting layer wherein said lower end of block layer does not contact said land conducting layer." with - the surface of said land conductor layer wherein said lower end of said block layer does not contact said land conductor layer.-

Allowable Subject Matter

5. Claims 1 – 5 are allowed.

The following is a statement of reasons for the indication of allowance of claims 1-4: limitations "said block layer covering the inner wall of said insulating layer at least over a range from an upper end to a lower end where said glass fibers inside said insulating layer exist, and a lower end of said block layer is located spaced a physical distance away from the surface of said land conducting layer wherein said lower end of block layer does not contact said land conducting layer" in combination with other claimed limitations in independent claim 1 are not disclosed or suggested by the prior art of record. Claims 2-4 are directly dependent upon claim 1.

The following is a statement of reasons for the indication of allowance of claim 5:

limitations "providing a first via hole in said insulating layer over said land conductor layer and not contacting said land conductor layer, wherein a lower end of said first via hole is located below a lowermost portion of said glass fibers inside said insulating layer and spaced a physical distance above said land conductor layer" in combination with other claimed limitations in independent claim 5 are not disclosed or suggested by the prior art of record.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuriy Semenenko whose telephone number is (571) 272-6106. The examiner can normally be reached on 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A. Reichard can be reached on (571)- 272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Y. S./

Examiner, Art Unit 2841

/Dean A. Reichard/

Supervisory Patent Examiner, Art
Unit 2841